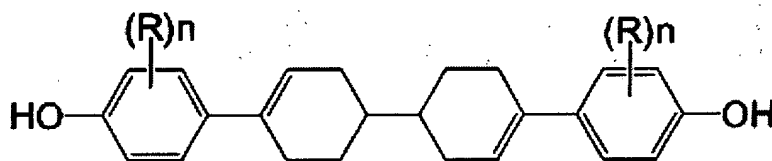


AMENDMENTS TO THE CLAIMS

Please amend the Claims as follows. Insertions are shown underlined while deletions are ~~struck through~~.

1 (original): 4,4'-dihydroxyphenyl bicyclohexenes expressed by General Formula 1 below (in the formula, R represents an alkyl group with a carbon atom number of 1 to 4, while n represents an integer of 0, or 1 to 3):

General Formula 1



2 (new): The 4,4'-dihydroxyphenyl bicyclohexenes of Claim 1, wherein R is selected from the group consisting of methyl group, ethyl group, propyl group, and butyl group.

3 (new): The 4,4'-dihydroxyphenyl bicyclohexenes of Claim 1, which is 4,4'-di(4-hydroxyphenyl)bicyclohexene-3.

4 (new): The 4,4'-dihydroxyphenyl bicyclohexenes of Claim 1, which is 4,4'-di(2-methyl-4-hydroxyphenyl)bicyclohexene-3.

5 (new): The 4,4'-dihydroxyphenyl bicyclohexenes of Claim 1, which is 4,4'-di(3-methyl-4-hydroxyphenyl)bicyclohexene-3.

6 (new): The 4,4'-dihydroxyphenyl bicyclohexenes of Claim 1, which is 4,4'-di(3,5-dimethyl-4-hydroxyphenyl)bicyclohexene-3.

7 (new): The 4,4'-dihydroxyphenyl bicyclohexenes of Claim 1, which is 4,4'-di(3,6-dimethyl-4-hydroxyphenyl)bicyclohexene-3.

8 (new): The 4,4'-dihydroxyphenyl bicyclohexenes of Claim 1, which is 4,4'-di(2,3,5-trimethyl-4-hydroxyphenyl)bicyclohexene-3.

9 (new): The 4,4'-dihydroxyphenyl bicyclohexenes of Claim 1, which is 4,4'-di(2,3,6-trimethyl-4-hydroxyphenyl)bicyclohexene-3.

10 (new): The 4,4'-dihydroxyphenyl bicyclohexenes of Claim 1, which is 4,4'-di(3-ethyl-4-hydroxyphenyl)bicyclohexene-3.

11 (new): The 4,4'-dihydroxyphenyl bicyclohexenes of Claim 1, which is 4,4'-di(3-isopropyl-4-hydroxyphenyl)bicyclohexene-3.

12 (new): The 4,4'-dihydroxyphenyl bicyclohexenes of Claim 1, which is 4,4'-di(3-n propyl-4-hydroxyphenyl)bicyclohexene-3.

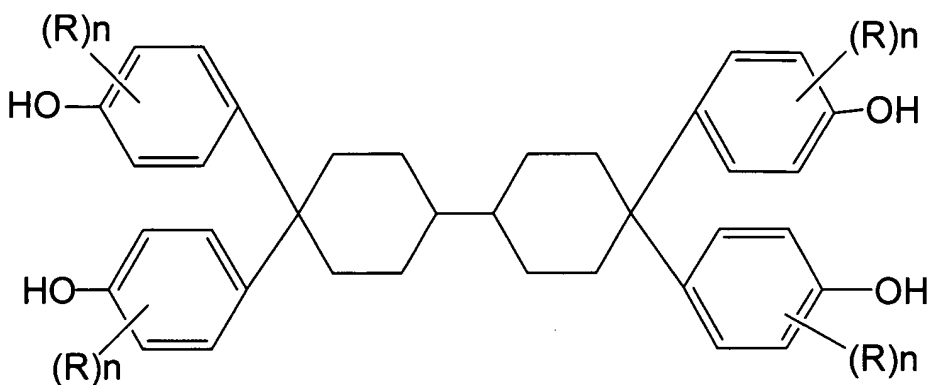
13 (new): The 4,4'-dihydroxyphenyl bicyclohexenes of Claim 1, which is 4,4'-di(3-n butyl-4-hydroxyphenyl)bicyclohexene-3.

14 (new): The 4,4'-dihydroxyphenyl bicyclohexenes of Claim 1, which is 4,4'-di(3-isobutyl-4-hydroxyphenyl)bicyclohexene-3.

15 (new): The 4,4'-dihydroxyphenyl bicyclohexenes of Claim 1, which is 4,4'-di(3-tert-butyl-4-hydroxyphenyl)bicyclohexene-3.

16 (new): A method of producing the 4,4'-dihydroxyphenyl bicyclohexenes of Claim 1, comprising thermally decompose 4,4',4',4'-tetrahydroxyphenyl bicyclohexanes, expressed by General Formula 2 below:

General Formula 2



wherein the definitions of R and n in the formula are the same as those of R and n in General Formula 1.

17 (new): The method according to Claim 16, wherein the thermal decomposition is conducted in the presence of alkali catalyst.

18 (new): The method according to Claim 17, wherein the alkali catalyst is selected from the group consisting of sodium hydroxide, potassium hydroxide, lithium hydroxide or other alkali metal hydroxide; sodium carbonate, potassium carbonate or other alkali metal carbonate; sodium hydrogen carbonate, potassium hydrogen carbonate or other alkali metal hydrogen carbonate; sodium phenoxide, potassium phenoxide or other alkali metal phenoxide; and magnesium hydroxide, barium hydroxide, and other alkaline-earth metal hydroxide.

19 (new): The method according to Claim 16, wherein the thermal decomposition is conducted in the presence of reaction solvent.

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20 (new): The method according to Claim 16, wherein the thermal decomposition is conducted at a temperature of 150-300°C.